abcam

Product datasheet

Anti-Nucleoporin p62/NUP62 antibody [2A] ab188413

6 References 3 Images

Overview

Product name	Anti-Nucleoporin p62/NUP62 antibody [2A]
Description	Rat monoclonal [2A] to Nucleoporin p62/NUP62
Host species	Rat
Tested applications	**Suitable for:** IP, WB, ICC/IF
Species reactivity	**Reacts with:** Human, African green monkey **Does not react with:** Mouse
Immunogen	Recombinant fragment (His-tag) corresponding to Human Nucleoporin p62/NUP62 aa 1-300. (N terminal proprietary tag). Database link: **P37198** Run BLAST with Run BLAST with
Epitope	aa 1-179 (FG-repeat region)
Positive control	HeLa cells and Cos cells.
General notes	The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 6 Constituents: 50% Glycerol (glycerin, glycerine), 50% PBS
Purity	Proprietary Purification
Purification notes	ab188413 was purified from serum-free culture medium of the hybridoma.
Clonality	Monoclonal

Clone number	2A
Isotype	IgG1
Light chain type	kappa

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab188413 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

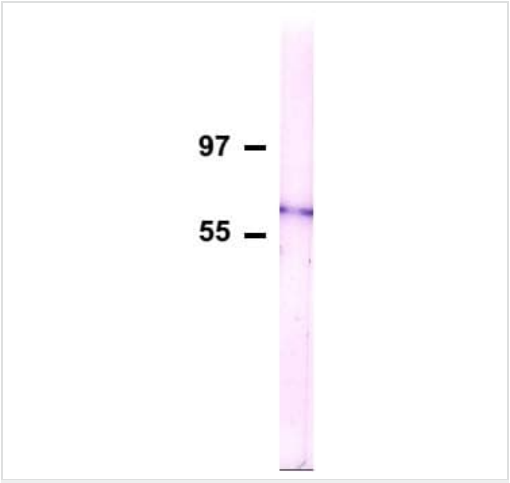
Application	Abreviews	Notes
IP		Use at an assay dependent concentration.
WB		1/500 - 1/2000. Detects a band of approximately 60 kDa (predicted molecular weight: 53 kDa).
ICC/IF		1/400.

Target

Relevance The nuclear pore complex is a structure that extends across the nuclear envelope and regulates the flow of macromolecules between the cytoplasm and the nucleus. Nucleoporins are the main components of the nuclear pore complex in eukaryotic cells. Nup 62 is localized to the nuclear pore central plug. This protein associates with the importin alpha/beta complex which is involved in the import of proteins containing nuclear localization signals. There are multiple transcript variants of this gene, however, they encode a single protein isoform. This protein undergoes post-translational modifications. It contains about 10 N-acetylglucosamine side chain sites.

Cellular localization Nucleus; nuclear pore complex. Cytoplasm; cytoskeleton; spindle pole. Note: Central region of the nuclear pore, within the transporter. During mitotic cell division, it associates with the poles of the mitotic spindle.

Images



Western blot - Anti-Nucleoporin p62/NUP62 antibody [2A] (ab188413)

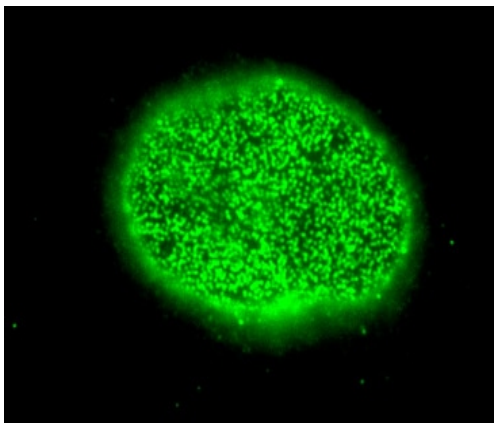
Anti-Nucleoporin p62/NUP62 antibody [2A] (ab188413) at 1/500 dilution + HeLa nuclear membrane lysate

Secondary

Alkaline phosphatase-conjugated anti-rat IgG

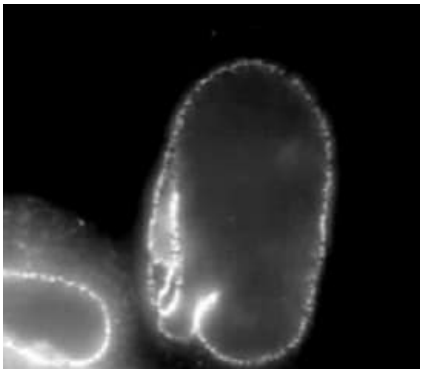
Predicted band size: 53 kDa

Observed band size: 60 kDa



Immunocytochemistry/ Immunofluorescence - Anti-Nucleoporin p62/NUP62 antibody [2A] (ab188413)

Immunofluorescent analysis of HeLa cells labeling Nucleoporin p62/NUP62 with ab188413 at 1/400 dilution, followed by Alexa Fluor®488-conjugated goat anti-rat IgG secondary antibody at 1/500 dilution. HeLa cells were fixed with 3.7% formaldehyde and permeabilized with 0.5% Triton X-100.



Immunocytochemistry/ Immunofluorescence - Anti-Nucleoporin p62/NUP62 antibody [2A] (ab188413)

Immunofluorescent analysis of HeLa cells, labeling Nucleoporin p62/NUP62 with ab188413 at 1/400 dilution, followed by Alexa Fluor®488-conjugated goat anti-rat IgG secondary antibody at 1/500 dilution. HeLa cells were fixed with 3.7% formaldehyde and permeabilized with 0.5% Triton X-100.

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit **https://www.abcam.com/abpromise** or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors